

## KDKS1/EN LD 24 VAC

**Weidmüller Interface GmbH & Co. KG**

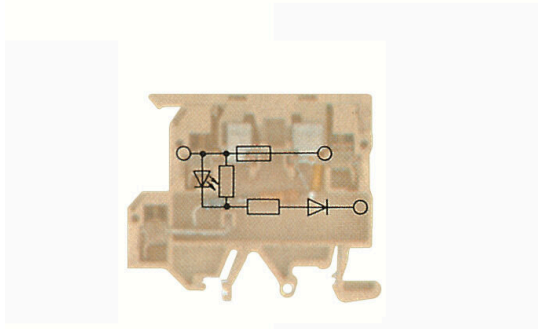
Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

### Product image



Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

### General ordering data

|            |   |
|------------|---|
| Version    | Fuse terminal, Screw connection, beige / yellow, 4 mm <sup>2</sup> , 6.3 A, 24 V, Number of connections: 3, Number of levels: 2, TS 35, TS 32 |
| Order No.  | <a href="#">8148930000</a>  |
| Type       | KDKS1/EN LD 24 VAC  |
| GTIN (EAN) | 4008 190002572  |
| Qty.       | 25 items  |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 54 mm    | Depth (inches)  | 2.126 inch  |
| Height     | 62.75 mm | Height (inches) | 2.4705 inch |
| Width      | 8 mm     | Width (inches)  | 0.315 inch  |
| Net weight | 16.02 g  |                 |             |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...55 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 100 °C         |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 7a, 7cl                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | c6099607-b1cd-4fc8-8f5b-8c2defa73093 |

## Material data

|                           |       |        |                |
|---------------------------|-------|--------|----------------|
| Basic material            | PA 66 | Colour | beige / yellow |
| UL 94 flammability rating | V-2   |        |                |

## System specifications

|                                     |   |                               |     |
|-------------------------------------|---|-------------------------------|-----|
| Version                             | Screw connection, Fuse cartridge, with LED. One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1   | Number of levels              | 2   |
| Number of clamping points per level | 2   | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No  | PE connection                 | No  |
| Mounting rail                       | TS 35, TS 32  | N-function                    | No  |
| PE function                         | No  | PEN function                  | No  |

## Additional technical data

|                     |                 |                             |         |
|---------------------|-----------------|-----------------------------|---------|
| Open sides          | right           | Number of similar terminals | 1       |
| Installation advice | Direct mounting | Type of mounting            | Snap-on |

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|                      |         |   |        |
|----------------------|---------|---|--------|
| Gauge to IEC 60947-1 | A3      | Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | on side | Tightening torque, max.                 | 0.8 Nm |

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### Technical data

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Tightening torque, min.   | 0.5 Nm              | Stripping length  | 9 mm                |
| Type of connection 2  | Screw connection    | Type of connection  | Screw connection    |
| Number of connections   | 3                   | Clamping range, max.  | 4 mm <sup>2</sup>   |
| Clamping range, min.  | 0.5 mm <sup>2</sup> | Clamping screw  | M 3                 |
| Blade size  | 0.6 x 3.5 mm        | Wire connection cross section AWG, min.   | AWG 20              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>   | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>   | Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup> |
| Twin wire-end ferrules, max.  | 1.5 mm <sup>2</sup> | Twin wire-end ferrules, min.  | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>   | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup> |
| Connection cross-section, finely stranded, min.   | 0.5 mm <sup>2</sup> |   |                     |

### Dimensions

|              |       |              |       |
|--------------|-------|--------------|-------|
| TS 32 offset | 31 mm | TS 35 offset | 31 mm |
|--------------|-------|--------------|-------|

### Fuse terminals

|                               |              |                                |          |
|-------------------------------|--------------|--------------------------------|----------|
| Cartridge fuse                | G-Si. 5 x 20 | Fuse holder (cartridge holder) | Pivoting |
| Type of voltage for indicator | AC           | Current                        | 2 mA     |
| Display                       | LED          | Operating voltage, max.        | 24 V     |

### General

|   |              |                     |                 |
|---|--------------|---------------------|-----------------|
| Wire connection cross section AWG, max. | AWG 12       | Installation advice | Direct mounting |
| Wire connection cross section AWG, min. | AWG 20       | Standards           | IEC 60947-7-1   |
| Mounting rail                           | TS 35, TS 32 |                     |                 |

### Rating data

|  |                   |   |               |
|--|-------------------|---|---------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                               | 24 V          |
| Rated DC voltage                             | 24 V              | Nominal current                             | 6.3 A         |
| Current at maximum wires                     | 6.3 A             | Standards                                   | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ              | Power loss in accordance with IEC 60947-7-x | 1.02 W        |
| Pollution severity                           | 3                 |   |               |

### Important note

|                     |  |
|---------------------|--|
| Product information | The voltage depends on the selected fuse element or the selected indicator light |
|---------------------|--|

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000899    | ETIM 9.0    | EC000899    |
| ETIM 10.0   | EC000899    | ECLASS 14.0 | 27-25-01-13 |
| ECLASS 15.0 | 27-25-01-13 |             |             |

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## Accessories

## Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

## General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | QB 2 WI RA8 IS             | Version   |  |
| Order No.  | <a href="#">0461100000</a> | Cross-connector (terminal), when screwed in, grey, 27 A, Number of poles: 2, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm |  |
| GTIN (EAN) | 4008190034818              |   |  |
| Qty.       | 50 ST                      |   |  |

## Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

## General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | QB 3 WI RA8 IS             | Version   |  |
| Order No.  | <a href="#">0461200000</a> | Cross-connector (terminal), when screwed in, grey, 27 A, Number of poles: 3, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm |  |
| GTIN (EAN) | 4008190161699              |   |  |
| Qty.       | 50 ST                      |   |  |
| Type       | QB 4 WI RA8 IS             | Version   |  |
| Order No.  | <a href="#">0461300000</a> | Cross-connector (terminal), when screwed in, grey, 27 A, Number of poles: 4, Pitch in mm (P): 8.00, Insulated: Yes, Width: 3 mm |  |
| GTIN (EAN) | 4008190025373              |   |  |
| Qty.       | 50 ST                      |   |  |

## Disconnect plugs



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## Accessories

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | QB 58/8/9/WI               | Version   |
| Order No.  | <a href="#">0545300000</a> | Cross-connector (terminal), when screwed in, grey, 27 A, Number of poles: 58, Pitch in mm (P): 8.00, Insulated: No, Width: 0.8 mm |
| GTIN (EAN) | 4008190125080              |   |
| Qty.       | 10 ST                      |   |
| Type       | QB 58/8/15                 | Version   |
| Order No.  | <a href="#">0545400000</a> | Cross-connector (terminal), when screwed in, grey, 27 A, Number of poles: 58, Pitch in mm (P): 8.00, Insulated: No, Width: 0.8 mm |
| GTIN (EAN) | 4008190028794              |   |
| Qty.       | 10 ST                      |   |

## End plates and partition plates

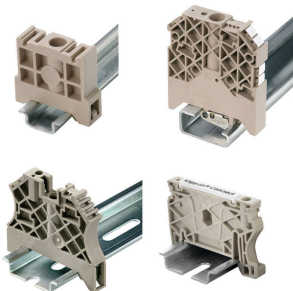


Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | AP KDKS1/EN                | Version  |
| Order No.  | <a href="#">9503340000</a> | End plate for terminals, beige, Height: 62.75 mm, Width: 1.5 mm, V-2, Polyamide 66, Snap-on: Yes |
| GTIN (EAN) | 4008190157630              |  |
| Qty.       | 20 ST                      |  |
| Type       | TW SAKS2 HP/DBR/2          | Version  |
| Order No.  | <a href="#">0607000000</a> | Partition plate (terminal), dark brown, Height: 80 mm, Width: 2 mm, V-2, PA 66                   |
| GTIN (EAN) | 4008190002732              |  |
| Qty.       | 20 ST                      |  |

## End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | EW 35                      | Version  |
| Order No.  | <a href="#">0383560000</a> | End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C |
| GTIN (EAN) | 4008190181314              |  |
| Qty.       | 50 ST                      |  |
| Type       | EW 35 GR 7032              | Version  |
| Order No.  | <a href="#">0383530000</a> | End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C    |
| GTIN (EAN) | 4008190027322              |  |
| Qty.       | 50 ST                      |  |

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | EW 35/SCHA/M3              | Version  |
| Order No.  | <a href="#">0258660000</a> | End bracket, beige, TS 35, V-2, Wemid, Width: 16.5 mm, 100 °C    |
| GTIN (EAN) | 4008190033477              |  |
| Qty.       | 20 ST                      |  |
| Type       | WEW 35/1                   | Version  |
| Order No.  | <a href="#">1059000000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C |
| GTIN (EAN) | 4008190172282              |  |
| Qty.       | 50 ST                      |  |
| Type       | WEW 35/2                   | Version  |
| Order No.  | <a href="#">1061200000</a> | End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C   |
| GTIN (EAN) | 4008190030230              |  |
| Qty.       | 50 ST                      |  |
| Type       | ZEW 35                     | Version  |
| Order No.  | <a href="#">9540000000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C  |
| GTIN (EAN) | 4008190956264              |  |
| Qty.       | 20 ST                      |  |
| Type       | ZEW 35/2                   | Version  |
| Order No.  | <a href="#">8630740000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C  |
| GTIN (EAN) | 4032248348916              |  |
| Qty.       | 20 ST                      |  |

## Fuse



As accessories for our wide product portfolio of fuse terminal blocks, we also offer the appropriate fuse links. The portfolio includes device protection fuses (miniature fuses) from 5x20 mm up to 10x38 mm, E 14 to E 18 fuse links, as well as automotive fuses and automatic circuit breakers. Gauge rings for the fuse holders round off the overall portfolio.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | G 20/0.10A/F               | Version  |
| Order No.  | <a href="#">0430300000</a> | Miniature fuse, quick-acting, 0.1 A, G-Si. 5 x 20  |
| GTIN (EAN) | 4008190077174              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/0.20A/F               | Version  |
| Order No.  | <a href="#">0430400000</a> | Miniature fuse, quick-acting, 0.2 A, G-Si. 5 x 20  |
| GTIN (EAN) | 4008190152383              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/0.25A/F               | Version  |
| Order No.  | <a href="#">0430500000</a> | Miniature fuse, quick-acting, 0.25 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190153991              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/0.50A/F               | Version  |
| Order No.  | <a href="#">0430600000</a> | Miniature fuse, quick-acting, 0.5 A, G-Si. 5 x 20  |
| GTIN (EAN) | 4008190046835              |  |
| Qty.       | 10 ST                      |  |

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | G 20/0.63A/F               | Version  |
| Order No.  | <a href="#">0439000000</a> | Miniature fuse, quick-acting, 0.63 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190131210              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/1.00A/F               | Version  |
| Order No.  | <a href="#">0430700000</a> | Miniature fuse, quick-acting, 1 A, G-Si. 5 x 20    |
| GTIN (EAN) | 4008190093877              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/1.60A/F               | Version  |
| Order No.  | <a href="#">0430800000</a> | Miniature fuse, quick-acting, 1.6 A, G-Si. 5 x 20  |
| GTIN (EAN) | 4008190031503              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/2.00A/F               | Version  |
| Order No.  | <a href="#">0430900000</a> | Miniature fuse, quick-acting, 2 A, G-Si. 5 x 20    |
| GTIN (EAN) | 4008190123567              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/2.50A/F               | Version  |
| Order No.  | <a href="#">0431000000</a> | Miniature fuse, quick-acting, 2.5 A, G-Si. 5 x 20  |
| GTIN (EAN) | 4008190085513              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/3.15A/F               | Version  |
| Order No.  | <a href="#">0431100000</a> | Miniature fuse, quick-acting, 3.15 A, G-Si. 5 x 20 |
| GTIN (EAN) | 4008190012977              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/4.00A/F               | Version  |
| Order No.  | <a href="#">0431200000</a> | Miniature fuse, quick-acting, 4 A, G-Si. 5 x 20    |
| GTIN (EAN) | 4008190022983              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/5.00A/F               | Version  |
| Order No.  | <a href="#">0431300000</a> | Miniature fuse, quick-acting, 5 A, G-Si. 5 x 20    |
| GTIN (EAN) | 4008190185381              |  |
| Qty.       | 10 ST                      |  |
| Type       | G 20/6.30A/F               | Version  |
| Order No.  | <a href="#">0431400000</a> | Miniature fuse, quick-acting, 6.3 A, G-Si. 5 x 20  |
| GTIN (EAN) | 4008190086053              |  |
| Qty.       | 10 ST                      |  |
| Type       | VH 25/5/3.4                | Version  |
| Order No.  | <a href="#">0553300000</a> | SAK Series, Contact sleeve                         |
| GTIN (EAN) | 4008190095604              |  |
| Qty.       | 100 ST                     |  |

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**Accessories**

**Custom printing**



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
  - Strips for fast installation
  - Terminal markers, suitable for all Weidmüller cable connectors
  - Available as blank MultiCard or with standard printing
- For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |         |   |
|------------|----------------------------|---------|---|
| Type       | DEK 5/8 MC SDR             | Version |   |
| Order No.  | <a href="#">1856750000</a> |         | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400867              |         | Weidmueller, To customer specification                    |
| Qty.       | 160 ST                     |         |   |

**Blank**



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- Large range of ready-to-use markers
  - Strips for fast installation
  - Terminal markers, suitable for all Weidmüller cable connectors
  - Available as blank MultiCard or with standard printing
- For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |         |   |
|------------|----------------------------|---------|---|
| Type       | DEK 5/8 MC NE WS           | Version |   |
| Order No.  | <a href="#">1856740000</a> |         | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400850              |         | Weidmueller, white  |
| Qty.       | 800 ST                     |         |   |

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## Accessories

### Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

#### General ordering data

|            |                            |                            |  |
|------------|----------------------------|----------------------------|--|
| Type       | BZT 1 WS 10/5              | Version                    |  |
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |  |
| GTIN (EAN) | 4032248270231              |                            |  |
| Qty.       | 100 ST                     |                            |  |
| Type       | BZT 1 ZA WS 10/5           | Version                    |  |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |  |
| GTIN (EAN) | 4032248270248              |                            |  |
| Qty.       | 100 ST                     |                            |  |

### DEK 5/8



#### WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

#### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | DEK 5/8 MM WS              | Version  |  |
| Order No.  | <a href="#">2007130000</a> | Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white |  |
| GTIN (EAN) | 4050118392012              |  |  |
| Qty.       | 500 ST                     |  |  |